Executone

TECHNICAL SPECIFICATIONS

W43 TO W1 ADAPTER KIT
MODEL AA-38120

DESCRIPTION:
The AA-38120 Adapter Kit allows the installation of W43 type Care/Com stations into W1 type backboxes previously used for existing system. The Adapter Kit consists of an adapter faceplate, supplied with a metal subplate and the neccessary hardware.

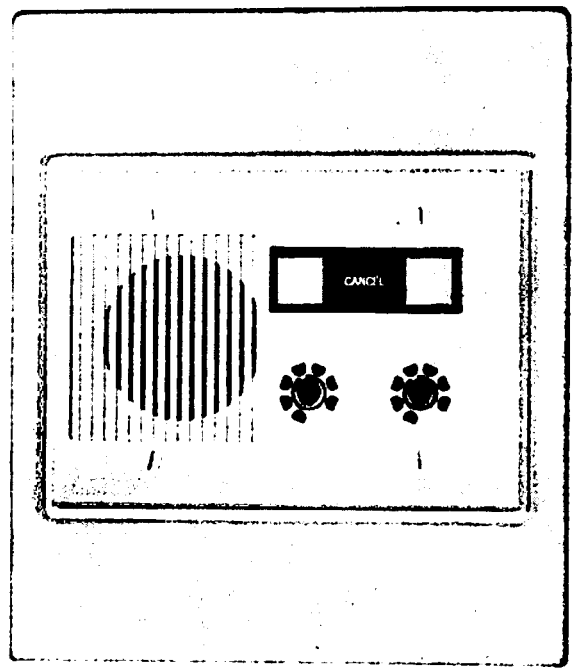
LIST OF PARTS PROVIDED:

Part No.	Description	Quantity
A-43750	Adapter Faceplate	1
A-43751	Metal Subplate	1
S-6Z8SH1	Hex Head Self Tapping Screw	6
A-9160	Nut for Machine Screw	4
A-2843	Nut for Self Tapping Screw	2

INSTALLATION DETAILS:
The metal subplate is mounted on the existing W1 type backbox to provide a sturdy support for the Care/Com station. The adapter faceplate is fastened to the metal subplate. The adapter faceplate and the metal subplate can be adjusted to compensate for minor misalignment of the existing backbox in the wall. Only the nylon screws fastening the Care/Com station will be exposed.

MATERIAL AND FINISH:
Adapter Faceplate - high impact, molded ABS finished in fine grained off-white.
Subplate - rust resistant metal plate.

DIMENSIONS:
7-5/8" (19.37cm) wide x 8-7/8" (22.54cm) high x 3/8" (0.95cm) deep.



Model AA-38120 Shown With Care/Com Patient Station Unit Mounted Over Existing W1 Type Backbox

Feature Highlights

* Facilitates installation of W43 type Care/Com station into existing W1 type backbox; thus eliminating expensive wall alterations.

* Concealed metal subplate provides a sturdy support for the station.

* Will permit correction of minor misalignment of existing backbox in wall.

* Only nylon screws fastening the Care/Com station are exposed.

* Adapter faceplate presents a clean, esthetic appearance.

COMTEL
THE TOTAL [illegible]

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

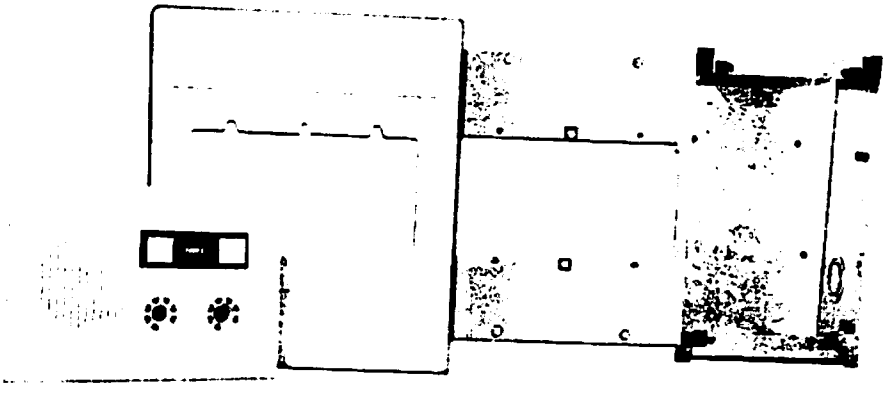
MODEL AA-38120 W43 TO W1 ADAPTER KIT

To reduce installation cost and facilitate updating of existing systems, the AA-38120 Adapter Kit shall allow installation of W43 type Care/Com stations into existing W1 type backboxes. The Adapter Kit shall consist of an adapter faceplate, supplied with a metal subplate and the necessary hardware. The parts provided shall be as listed below.

Part No.	Description	Quantity
A-43750	Adapter Faceplate	1
A-43751	Metal Subplate	1
S-6Z8SH1	Hex Head Self Tapping Screw	6
A-9160	Nut for Machine Screw	4
A-2843	Nut for Self Tapping Screw	2

The metal subplate shall be mounted on the existing W1 type backbox to provide a sturdy support for the Care/Com station. The adapter faceplate shall be fastened to the metal subplate. It shall be possible to adjust the adapter faceplate and the metal subplate to compensate for minor misalignment of the existing backbox in the wall. To present a clean, esthetic appearance, only the nylon screws fastening the Care/Com station shall be exposed.

The adapter faceplate shall be high impact, molded ABS finished in fine grained off-white. The subplate shall be a rust resistant metal plate. The maximum dimensions shall be: 7-5/8" (19.37cm) wide x 8-7/8" (22.54cm) high x 3/8" (0.95cm) deep.



Patient Station, Adapter Faceplate, Metal Subplate And W1 Type Backbox

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BL-30,546B

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TECHNICAL SPECIFICATIONS

TIOLET & SHOWER EMERGENCY STATIONS

HAV19IS/W41(GR5) & HAVJ189IS/W41(GR5)

CALL ORIGINATION INDICATOR LAMP

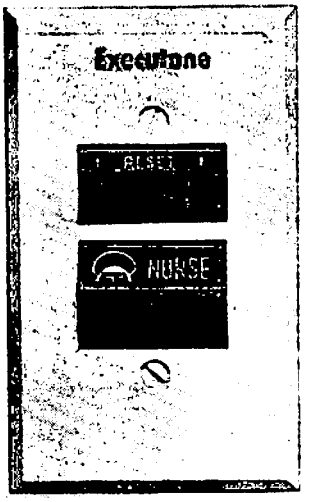
CALL RESET FROM ORIGINATION POINT ONLY

EASILY VISIBLE LARGE RED BUTTON

PULLCORD INSTRUCTIONS ON FACEPLATE

FACEPLATE RATED 94V-0 BY UL

NON-CONDUCTIVE MOUNTING SCREWS



HAV19IS/W41(GR5)

DESCRIPTION:

Model HAV19IS/W41(GR5) (shown above) is a wall recessed or surface mounted red combination call and reset button with indicator lamp for originating emergency calls.

Model HAVJ189IS/W41(GR5) (shown on back of this page) is a wall recessed or surface mounted red combination call and reset button with pullcord and indicator lamp for originating emergency calls.

CONTROLS AND INDICATORS:

Integrated call and reset rocker type button with replaceable indicator lamp HAVJ189IS/W41(GR5) type is provided with a 6' (182.88cm) nylon cord.

SWITCH:

Positive action toggle type with heavy duty independent contacts.

MECHANICAL INSTALLATION:

Mounting bracket will permit correction or minor misalignment of backbox in wall.

HOUSING AND FINISH:

Faceplate—high impact, molded thermoplastic faceplate finished in off-white supplied with nylon screws for mounting;
S41 Housing (optional)—metal surface housing finished in alumex.

DIMENSIONS:

Faceplate—2-3/4" (6.99cm) wide X 4-1/2" (11.43cm) high;
S41 Housing (optional)—2-7/8" (7.3cm) wide X 4-5/8" (11.75cm) high X 2-3/4" (6.99cm) deep;
W41 Backbox (supplied by others)—4-11/16" (11.91cm) square electrical box with one-gang adapter for a total depth of 2-7/8" (7.3cm).

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

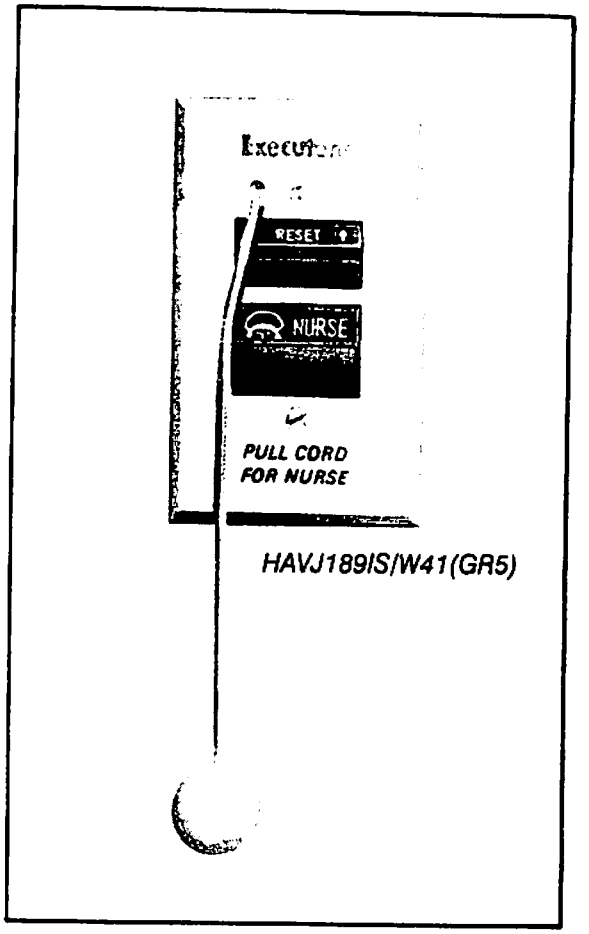
MODEL HAV19IS/W41(GR5) TOILET EMERGENCY STATION

The wall recessed or surface mounted Toilet Emergency Station shall be a red combination call and reset button with indicator lamp for originating emergency calls. White nomenclature and nurse symbol shall appear on call button for easy recognition.

A rocker type button shall be used to operate a positive action toggle type switch which shall be provided with heavy duty independent contacts. The mounting bracket shall permit correction of minor misalignment of backbox in wall. The high impact molded thermosplastic faceplate shall have nonshattering and low water absorption characteristics and shall be self extinguishing rated 94V-O by UL. Nylon screws shall be provided to mount the faceplate for maximum safety against electrical shock.

The faceplate shall be finished in off-white. The S41 housing shall be a one-gang metal surface housing finished in alumex. The maximum dimensions shall be: *faceplate*—2-3/4" (6.98cm) wide X 4-1/2" (11.43cm) high; *S41 housing* (optional)—2-7/8" (7.3cm) wide X 4-5/8" (11.75cm) high X 2-3/4" (6.99cm) deep; *W41 backbox* (supplied by others)—4-11/16" (11.91cm) square electrical box with one-gang adapter for a total depth of 2-7/8" (7.3cm).

MODEL HAVJ189IS/W41(GR5) SHOWER EMERGENCY STATION



HAVJ189IS/W41(GR5)

The wall recessed or surface mounted Pullcord shall be a red combination call and reset button with pullcord and indicator lamp for originating emergency calls. Pullcord operating instructions shall appear in red on faceplate for easy recognition. The Pullcord shall be a six-foot (182.88cm) nylon cord.

A rocker type button shall be used to operate a positive action toggle type switch which shall be provided with heavy duty independent contacts. The mounting bracket shall permit correction of minor misalignment of backbox in wall. The high impact, molded thermoplastic faceplate shall have nonshattering and low water absorption characteristics and shall be self extinguishing rated 94V-0 by UL. Nylon screws shall be provided to mount the faceplate for maximum safety against electrical shock.

The faceplate shall be finished in off-white. The S41 housing shall be a one-gang metal surface housing finished in alumex. The maximum dimensions shall be *faceplate*—2-3/4" (6.99cm) wide X 4-1/2" (11.43cm) high; *S41 housing* (optional)—2-7/8" (7.3cm) wide X 4-5/8" (11.75cm) high X 2-3/4" (6.99cm) deep; *W41 backbox* (supplied by others)—4-11/16" (11.91cm) square electrical box with one-gang adapter for a total depth of 2-7/8" (7.3cm).

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3/85 TS30523 Issue F
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TECHNICAL SPECIFICATIONS

CODE BLUE EMERGENCY STATION

HAV19IS/W41-BL(GR5)

Call Origination Indicator Lamp

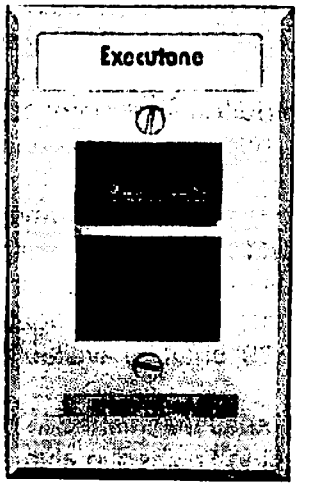
Call Cancelable at Origination Point Only

High Visibility Large Blue Button

Faceplate Rated 94V-0 by UL

Heavy Duty Switch Contacts

Non-Conductive Mounting Screws



DESCRIPTION:
Wall recessed or surface mounted blue combination call and reset button with indicator lamp to be used by hospital staff members to summon help in emergencies (primarily in Cardiac Arrest).

METALCAL (AVAILABLE SEPARATELY):
A self-adhesive "STAFF USE ONLY" metalcal, Part No. A44189 (shown in photo), is available to be affixed to the faceplate where required.

CONTROLS AND INDICATORS:
Integrated call and reset rocker type blue button with replaceable indicator lamp.

SWITCH:
Positive action toggle type with heavy duty independant contacts.

MECHANICAL INSTALLATION:
Mounting bracket will permit correction of minor misalignment of backbox in wall.

HOUSING AND FINISH:
Faceplate - high impact, molded thermoplastic faceplate finished in off-white with nylon screws.
S41 Housing - metal surface housing finished in alumex.
W41 Backbox - metal backbox supplied by others.

DIMENSIONS:
Faceplate - 2-3/4" (6.99cm) wide x 4-1/2" (11.43cm) high;
S41 Housing - 2-7/8" (7.30cm) wide x 4-5/8" (11.75cm) high x 2-3/4" (6.99cm) deep;
W41 Backbox - 4-11/16" (11.91cm) square electrical box with one-gang adapter for a total depth of 2-7/8" (7.30cm), supplied by others.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL HAV19IS/W41-BL(GR5) CODE BLUE EMERGENCY STATION

The wall recessed or surface mounted Code Blue Station shall be a blue combination call and reset button with indicator lamp for originating emergency calls. It shall be used by hospital staff members to summon help in emergencies (primarily in Cardiac Arrest). Emergency call shall be cancelable only at the Code Blue Station where it originated.

A rocker type button shall be used to operate a positive action toggle type switch which shall be provided with heavy duty independent contacts.

The mounting bracket shall permit correction of minor misalignment of backbox in wall. The high impact molded thermoplastic faceplate shall have non-shattering and low water absorption characteristics and shall be self extinguishing rated 94V-0 by UL. Nylon screws shall be provided to mount the faceplate for maximum safety against electrical shock. A self-adhesive "STAFF USE ONLY" metalcal, Part No. A44189, shall be available separately to be affixed to the faceplate where required.

The faceplate shall be finished in off-white. The S41 housing (optional) shall be a one-gang box for surface mounting finished in alumex. The dimensions shall be: **faceplate** - 2-3/4" (6.99cm) wide x 4-1/2" (11.43cm) high; **S41 housing** (optional) - 2-7/8" (7.30cm) wide x 4-5/8" (11.75cm) high x 2-3/4" (6.99cm) deep; **W41 backbox** (supplied by others) - 4-11/16" (11.91cm) wide x 4-11/16" (11.91cm) high, electrical box with one-gang adapter for total depth of 2-7/8" (7.30cm).

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3/85 TS30553 Issue C
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TECHNICAL SPECIFICATIONS

PATIENT CONTROL UNIT

PCU-3 & PCU-3IC

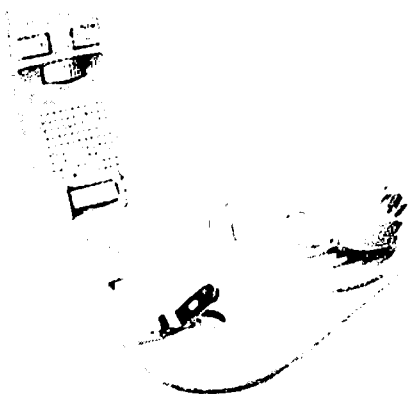
PROVIDES NURSE CALL ORIGINATION

SELECTION OF RADIO AND TV PROGRAMMING

VOLUME CONTROL FOR SELECTED PROGRAM

DISTINCT PUSH-TYPE NURSE CALL BUTTON

RUGGED, HIGH IMPACT, MOLDED HOUSING



DESCRIPTION:
Model PCU-3 Patient Control Unit is used with standard Patient Stations. Model PCU-3IC is used with Patient Stations featuring two-way communication via Patient Control Unit. In addition, the patient can individually select, adjust and listen to radio and TV programming.

OPERATING CONTROLS:
Speaker Volume—easily accessable wheel-type volume control allows the radio and TV volume to be controlled by the patient. Resetting the volume control does not affect level of voice during two-way communication.

Nurse Call Button—push-type rectangular button, noticeably larger than the other buttons, is conveniently located for ease of use and quick identification, especially in the dark.

Feature Buttons—two feature buttons for radio and TV on/off and program selection.

UNIT STERILIZATION CAPABILITY:
Withstands Ethylene Oxide Sterilization procedures.

SPEAKER:
2" (5.08cm) diameter, dynamic type, with 0.35 oz (9.82gm) Alnico V magnet. Voice coil impedance: 8 ohms. Power handling capability: 0.2 watt. Resonant frequency: 430 Hz ±60 Hz.

CORD:
8 feet (2.44m); contains stranded, twisted vinyl insulated conductors. Polyvinylcholride (PVC) outer jacket; outside diameter 0.284" (7.21mm) maximum.

PLUG:
Special 8-contact, high-impact, polarized type, molded onto one end of cord.

BED CLAMP:
Stainless steel bed clamp with mylar strap permanently attached to cord.

HOUSING:
High-impact, molded thermoplastic housing.

DIMENSIONS:
Maximum dimensions are: 2-1/4" (5.72cm) wide × 7-1/8" (18.1cm) high × 1-1/2" (3.81cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODELS PCU-3 AND PCU-3IC PATIENT CONTROL UNIT

Models PCU-3 and PCU-3IC Patient Control Units shall contain facilities for nurse call origination and remote control of radio and TV programming. The PCU-3IC Patient Control Unit shall be designed for Patient Stations featuring two-way communication via Patient Control Unit. The PCU-3 Patient Control Unit shall be used with standard Patient Stations.

The speaker shall be a 2" (5.08cm) diameter, dynamic type with a 0.35 ounce (9.91gm) Alnico V magnet. The voice coil shall have an impedance of 8 ohms, the power handling capacity shall be 0.2 watt; the resonant frequency shall be 430 Hz ± 60 Hz. A wheel-type volume control shall be used to adjust the radio and TV volume. The volume control shall have no effect on the nurse call voice communication.

The nurse call button shall be a push-type rectangular button, noticeably larger than the other buttons for ease of use and quick identification, even in a darkened room. The Patient Control Unit shall be equipped with two feature buttons for radio and TV on/off and program selection.

The polyvinylchloride (PVC) cord shall contain stranded, twisted vinyl insulated conductors. The maximum outside diameter of the cord shall be 0.284" (7.21mm), overall cord length shall be 8 feet (2.44m). A polarized 8-contact, high-impact plug shall be molded into one end of the cord.

A stainless steel bed clamp with mylar strap shall be permanently attached to the cord. The bed clamp shall be movable for adjustment. Detachable type clamp which may be inadvertently misplaced or lost shall not be acceptable.

The housing shall be a high-impact, molded thermoplastic unit. The unit shall be capable of withstanding Ethylene Oxide Sterilization procedures. Maximum dimensions of the housing shall be 2-1/4" (5.72cm) wide × 7-1/8" (18.1cm) high × 1-1/2" (3.81cm) deep.

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5/85 TS30627 Issue C

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TECHNICAL SPECIFICATIONS

CALL BUTTON CORDSET

M18A

PURE SILVER SWITCH CONTACTS

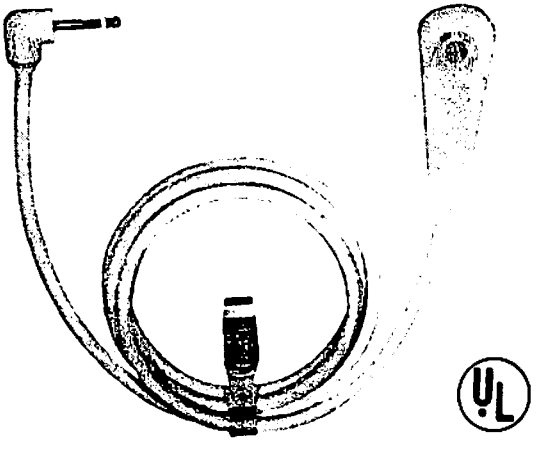
FAST SNAP ACTION SPRING RETURN SWITCH

INSULATED AGAINST SHOCK HAZARD

STURDY HIGH IMPACT MOLDED HOUSING

ADJUSTABLE SECURITY CLAMP

RUGGED MOLDED PLUG



DESCRIPTION:
Nurse call origination button and integrated cordset.

BUTTON:
Momentary action type with spring return.

SWITCH:
Contact Rating: 2 amps @ 20 VDC or Peak AC
Initial Contact Resistance: 50 milliohms maximum
Case Material: Polyacetal.
Operating Force: 100 grams maximum.
Return Force: 5 grams minimum.
Contacts: Pure Silver.

BED CLAMP:
Stainless steel bed clamp with mylar strap permanently attached to cord.

CORD:
White washable polyethylene.

PLUG:
One piece construction molded onto cord.

HOOKUP:
Plugs into jack receptacle on patient station.

UNIT STERILIZATION:
Withstands Ethylene Oxide Sterilization procedures.

HOUSING:
High impact molded housing with cordset strain relief.

FINISH:
Call button housing and cord finished in white.

DIMENSIONS:
Overall length of cord—6 feet (1.83m).
Button housing—1¼" (3.18cm) wide X 3½" (8.89cm) high X ¾" (1.91cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS
MODEL M18A CALL BUTTON CORDSET

The Model M18A shall be a nurse call origination button with integrated cordset.

The button shall be a momentary action type with spring return.

Specification for the switch shall be as follows: Contact rating - 2 amps @ 20VDC or peak AC; Initial contact resistance - 50 milliohms maximum; Operating force - 100 grams maximum; Return force - 5 grams minimum; Contacts - pure silver; Case material - polyacetal.

The unit shall be supplied in a high impact molded housing. The cord shall be constructed with special strain relief to prevent damage. The plus shall be molded onto cord for long life trouble-free operation.

A stainless steel bed clamp with mylar strap shall be permanently attached to the cord. Detachable type clamp which may be inavertently misplaced or lost shall not be acceptable. The bed clamp shall be movable for adjustment.

The unit shall be able to withstand Ethylene Oxide Sterilization procedures.

The finish of the polyethylene cord and housing shall be white. The maximum overall length shall be 6 feet (1.83m). The maximum dimensions of the housing shall be: 1¼" (3.18cm) wide X 3½" (8.89cm) high X ¾" (1.91cm) deep.

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1/87 TS30706 Issue A
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TECHNICAL SPECIFICATIONS

GERIATRIC CALL BUTTON

M88

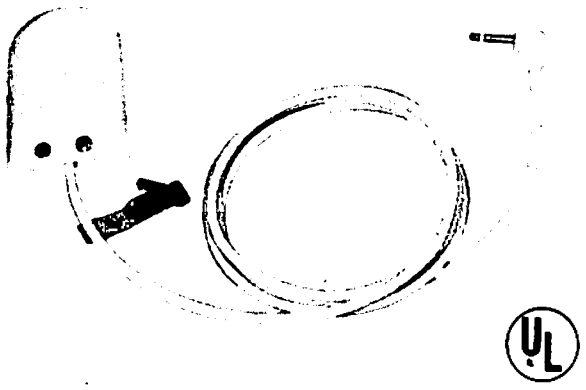
LIGHT PRESSURE ACTUATES CALL

CORDSET EASILY STERILIZED

INSULATED AGAINST SHOCK HAZARD

ADJUSTABLE SECURITY CLAMP

RUGGED MOLDED PLUG



DESCRIPTION:
Geriatric call button and cordset used for the aged and incapacitated.

SWITCH:
Insulated stainless steel switch plates.

CORD:
White washable polyethylene.

PLUG:
One piece construction molded onto cord.

HOOKUP:
Plugs into jack receptacle on patients's station.

BED CLAMP:
Stainless steel bed clamp with mylar strap permanently attached to cord.

ACTUATION:
Light pressure anywhere on button housing activates the switch.

HOUSING AND FINISH:
Polyethylene outer jacket finished in white.

DIMENSIONS:
Overall Length—6 feet (1.83m).
Button Housing — 2" (5.08cm) wide × 3" (7.62cm) high × 1½" (3.81cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL M88 GERIATRIC CALL BUTTON

The Model M88 geriatric call button with cordset shall be of the momentary action type. A call shall be originated by light hand or body action anywhere on housing.

The plug shall be molded onto the cord. For dependability, the plate type switch shall be constructed of insulated stainless steel.

A stainless steel bed clamp with mylar strap shall be permanently attached to the cord. The bed clamp shall be movable for adjustment. Detachable type clamp which may be inadvertently misplaced or lost shall not be acceptable.

The outer jacket button housing and cord shall be white polyethylene. The maximum overall length shall be 6 feet (1.83m). The maximum dimensions of the button housing shall be 2" (5.08cm) wide × 3" (7.62cm) high × 1½" (3.81cm) deep.

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3/85 TS1735 Issue E

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TECHNICAL SPECIFICATIONS

CORDSET

M518X

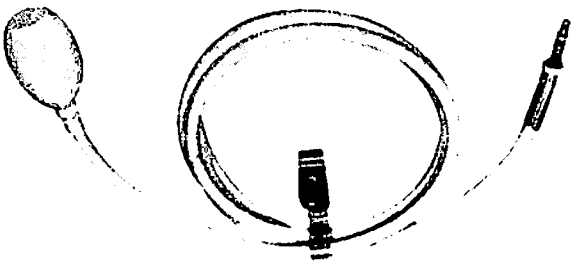
SUITABLE FOR USE IN OXYGEN TENT

DEPENDABLE SWITCH ENCLOSED IN PLUG

INSULATED AGAINST SHOCK HAZARD

LIGHT PRESSURE ACTIVATES SWITCH

ADJUSTABLE SECURITY CLAMP



DESCRIPTION:
Cordset for call origination. Suitable for general, oxygen tent, and geriatric applications.

SQUEEZE BULB:
Light pressure on bulb by any part of the body activates switch. White washable neoprene.

SWITCH:
Operated by air, momentary action type, built into plug.

BED CLAMP:
Stainless steel bed clamp with mylar strap permanently attached to cord.

PLUG:
Plugs into jack receptacle on Patient's Station. Stainless steel with insulated plated steel spring strain relief.

CORD:
White washable polyvinylchloride.

DIMENSIONS:
Cord—6 feet (1.83cm) long.
Plug—1¼" (3.18cm) long.
Bulb—2¾" (6.99cm) long.

UNIT STERILIZATION:
Withstands Ethylene Oxide Sterilization procedures.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL M518X CORDSET

The Cordset shall permit flexible and easy call origination and shall be suitable for general, oxygen tent, and geriatric applications.

The Cordset shall be equipped with a white washable neoprene squeeze bulb. Any light pressure on the bulb by any part of the body shall activate the momentary action type switch. The bulb and cord shall be suitable for use in an oxygen tent. For long life and dependable operation, the air operated switch shall be enclosed in the stainless steel plug.

The plug shall be equipped with an insulated plated steel spring strain relief, and shall plug into the jack receptacle of standard Patient Stations. A stainless steel bed clamp with mylar strap shall be permanently attached to the cord. The bed clamp shall be movable for adjustment. Detachable type clamp which may be inadvertently misplaced or lost shall not be acceptable.

The unit shall be able to withstand the Ethylene Oxide Sterilization procedures. The white washable polyvinylchloride cord shall be 6 feet (1.83m) long. The plug shall be 1¼" (3.18cm) long. The bulb shall be 2¾" (6.99cm) long. The Cordset shall be Underwriters' Laboratories, Inc. listed.

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3/85 TS30258 Issue H
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TECHNICAL SPECIFICATIONS

CALL ORIGINATION BUTTON

M282

FINGERTIP ACTUATES CALL

RED CALL BUTTON AND WHITE NOMENCLATURE

INSULATED AGAINST SHOCK HAZARD

ONE PIECE CONSTRUCTION COMPACT DESIGN

RUGGED HIGH IMPACT MOLDED HOUSING

BRASS NICKEL PLATED PLUG

DESCRIPTION:
Plug assembly with call origination button.

BUTTON:
Momentary action type with spring return.

PLUG:
Brass with nickle plating mounted on metal base.

HOOKUP:
Plugs into jack receptacle on patient station.

HOUSING:
Metal base and protective high impact molded housing.

FINISH:
Housing—black with white nomenclature.
Plug—nickle plated.
Button—red.

DIMENSIONS:
Housing—1" (2.54cm) wide × 1 5/16" (3.33cm) high × 5/8" (1.59cm) deep.
Plug—1 1/4" (3.18cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL M282 CALL ORIGINATION BUTTON

The plug assembly with call origination button shall be of the momentary action type with spring return.

The plug shall be constructed of nickle plated brass and plug into any standard Executone Patient Station.

The unit shall be supplied in a high impact molded housing. The finish shall be: housing—black; button—red; plug—nickle. The maximum dimensions of the housing shall be 1" (2.54cm) wide × 1 5/16" (3.33cm) high × 5/8" (1.59cm) deep. The maximum dimension of the plug shall be 1 1/4" (3.18cm) deep.

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3/85 TS5255 Issue D
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TECHNICAL SPECIFICATIONS

CARE-LIGHT & CEILING LIGHT

CC31S/W42 & CC31S/W42-CL

CLEAR OR AMBER ACRYLIC INSERT

EDGE LIT FOR PATIENT CALL

FLASHES FOR EMERGENCY CALL

HIGH IMPACT, FLAME RETARDANT FACEPLATE

CLEAN ESTHETIC APPEARANCE

MOUNTS INTO ONE OR TWO GANG BOX

CC31S/W42

DESCRIPTION:
Wall recessed or surface mounted Care-Light with rectangular transparent edge lit insert and Ceiling-Light with rectangular amber edge lit insert.

LAMP:
Replaceable 24 volt miniature.

INDICATOR:
CC31S/W42—edge lit rectangular transparent insert.
CC31S/W42-CL—edge lit rectangular amber insert.

MECHANICAL INSTALLATION:
A special adapter plate is supplied to allow mounting into a standard one-gang or two-gang electrical box. The adapter plate will permit correction of minor misalignment of backbox in wall or ceiling. The faceplate snaps into the adapter plate without the need of mounting screws.

HOUSING AND FINISH:
Faceplate—flame retardant, molded ABS finished in off-white with transparent or amber acrylic insert.

S42 Housing (optional)—two-gang box for surface mounting finished in alumex.

DIMENSIONS:

Faceplate—4-9/16" (11.59) wide × 4-1/2" (11.43cm) high × 1 3.4" (4.45cm) deep.

S42 Housing (optional)—4-3/4" (12.07cm) wide × 4-3/4" (12.07cm) high × 2-3/4" (6.99cm) deep.

W42 Backbox (supplied by others)—4-11/16" (11.91cm) wide × 4-11/16" (11.91cm) high, electrical box with two-gang adaptor for total depth of 2-7/8" (7.3cm).

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

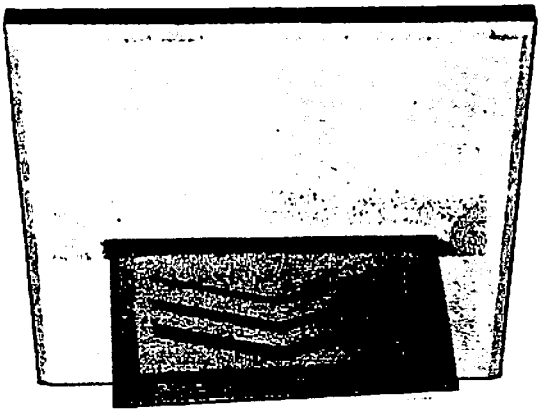
MODEL CC31S/W42 CARE-LIGHT AND MODEL CC31S/W42-CL CEILING LIGHT

The wall recessed or surface mounted Care-Light with rectangular, transparent, edge lit insert and Ceiling-Light with rectangular, amber, edge lit insert shall consist of a lamp, a special adapter plate and faceplate.

The transparent insert provided with Model CC31S/W42 and amber insert provided with Model CC31S/W42-CL shall be molded acrylic, edge lit by a replaceable 24 volt miniature lamp. The faceplate shall be high impact and flame retardant, molded ABS with a UL rating of 94V-O.

A special adapter plate shall be provided to allow mounting into existing standard one-gang or two-gang electrical box. The adapter plate shall permit correction of minor misalignment of backbox in wall or ceiling. The faceplate shall be snap mounted into the adapter plate without the need for mounting screws.

The faceplate shall be finished in off-white. The optional S42 housing shall be a two-gang box for surface mounting finished in alumex. The dimensions shall be: *faceplate*—4-9/16" f(11.59cm) wide X 4-1/2" (11.43cm) high X 1-3/4" (4.45cm) deep; *S42 housing* (optional)—4-3/4" (12.07cm) wide X 4-3/4" (12.07cm) high X 2-3/4" (6.99cm) deep; *W42 backbox* (supplied by others)—4-11/16" (11.91cm) wide X 4-11/16" (11.91cm) high, electyrical box with two-gang adapter for total depth of 2-7/8" (7.3cm).



CC31S/W42-CL

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3/85 TS30524 Issue F

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TECHNICAL SPECIFICATIONS

POWER SUPPLY
M217

EXTERNALLY ACCESSIBLE FUSE

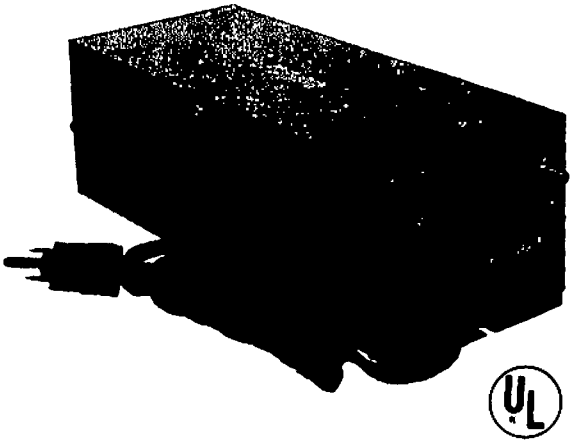
EXTREMELY WELL FILTERED

SILICON FULL WAVE RECTIFICATION

COMPACT DESIGN

STURDY METAL CASE

DESIGNED FOR SHELF OR WALL MOUNTING



DESCRIPTION:
Wall or shelf mounted single output well filtered DC power supply rated for 24 volts at 3 ampere maximum.

POWER REQUIREMENTS:
Voltage—117 volts AC ± 10%.
Frequency—60Hz ± 3Hz.

POWER CONSUMPTION:
144 watts maximum.

LINE CORD:
Heavy duty six foot terminated with molded three prong plug.

HOOKUP:
Terminal strip with screw type connections.

OUTPUT PROTECTION:
3.2 ampere externally replaceable fuse.

OUTPUT:
Voltage—nominal 24 volts DC.
Current—up to 3 amperes.
Ground Polarity—floating ungrounded output.

RECTIFIER
Silicon full wave rectifier.

FILTER:
Choke and dual condensers.

HOUSING:
Metal case provided with removable protective cover and two mounting holes.

FINISH:
Housing finished in Reverse Hammertone Metalustre.

DIMENSIONS:
Maximum dimensions are 11⅛" (28.9cm) wide × 3½" (8.9cm) high × 4⁹⁄₁₆" (11.59cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL M217 POWER SUPPLY

The wall or shelf mounted power supply shall provide a well filtered DC single output rated for 24 volts at 3 ampere maximum. The power supply shall be Underwriters' Laboratories, Inc. listed.

The input power requirements shall be 117 volts AC ± 10% at 60Hz ± 3Hz. The power consumption shall be 144 watts maximum.

The power supply shall be designed for long life of continuous duty operation. The output voltage shall be nominal 24 volts DC at up to 3 ampere. The output shall be floating with respect to ground.

A heavy duty six foot line cord terminated with molded three prong plug shall be provided for input connections. The output connections shall be by means of a two screw terminal strip. The output shall be protected with a 3.2 ampere externally accessible fuse.

The power supply shall be housed in a sturdy metal case provided with a removable protective cover and two mounting holes. The housing shall be finished in Reverse Hammertone Metalustre. The housing maximum dimensions shall be 11⅜" (28.9cm) wide × 3½" (8.9cm) high × 4⁹⁄₁₆" (11.59cm) deep.

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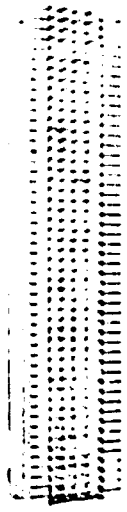
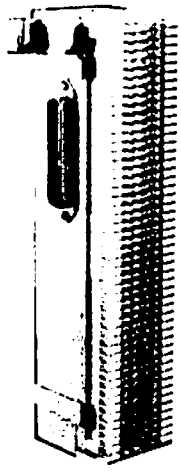
TECHNICAL SPECIFICATIONS

TERMINAL BLOCKS & BRACKET

LB200470, LB200480 & MK200471





MODEL LB200470

DESCRIPTION:
Connecting block with quick-connect push-on type terminals. Used to terminate 25 or 50 pair cables. Mounts on MK200471 bracket

TERMINALS:
50 rows of 4 terminals identified as clips. Clip 1 and 2 in each row are internally connected to each other and Clip 3 and 4 in each row are internally connected to each other.

WIRE SIZE:
Clips accept unskinned AWG 20 to AWG 26, skinned AWG 18 or AWG 19.

DIMENSIONS:
3-¼" (8.25cm) wide x 10" (25.4cm) high x 1-¼" (3.17cm) deep.

MODEL MK200471

DESCRIPTION:
Plastic mounting bracket for use with the LB200470 block. LB200470 block snaps onto the bracket. Provides clearance for cables to be brought underneath the connecting block and then fanned out.

DIMENSIONS:
3-1/4" (8.25cm) wide x 10-3/8" (26.06cm) high x 1-7/8" (4.76cm) deep.

MODEL LB200480

DESCRIPTION:
Single connector MDF block with quick-connect push-on type terminals prewired to a standard male Amphenol type 57 Series connector. Permits quick-connection of standard connector-ended 25-pair cable from equipment to an MDF. Equipped with mounting bracket.

TERMINALS:
50 rows of 4 terminals identified as clips. Clip 1 and 2 in each row are internally connected to each other and have a wire-wrap tail which is prewired to the Amphenol type connector. Clip 3 and 4 in each row are internally connected to each other.

WIRE SIZE:
Internal wiring—AWG 24.
External wiring—Clips will accept unskinned AWG 20 to AWG 26, skinned AWG 18 or AWG 19.

DIMENSIONS:
3-1/4" (8.25cm) wide x 10-3/8" (26.06cm) high x 2-3/4" (6.98cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL LB200470 TERMINAL BLOCK

Connecting block shall contain quick-connect push-on type terminals. It shall permit termination of 25 pair of 50 pair cables. It shall mount on MK200471 bracket. Terminals shall consist of 50 rows of 4 terminals (clips) Clip 1 and 2 in each row shall be internally connected. Clip 3 and 4 in each row shall be internally connected. Clips shall accept unskinned wires of AWG 20 to AWG 26, and skinned wires of AWG 18 or 19. Dimensions shall be: 3-¼" (8.25cm) wide x 10" (25.4cm) high x 1-¼" (3.17cm) deep.

MODEL LB200480 TERMINAL BLOCK

Single connector MDF block shall contain quick-connect push-on type terminals prewired to a standard male Amphenol type 57 Series connector. It shall permit quick-connection of standard connector ended 25-pair cable. It shall be equipped with a mounting bracket. Terminals shall consist of 50 rows of 4 terminals (clips) Clip 1 and 2 in each row shall be internally connected to each other and have a wire-wrap tail prewired to the Amphenol type connector. Clip 3 and 4 shall be internally connected to each other. Internal wiring shall be AWG 24. Clips shall accept external unskinned wires of AWG 20 to AWG 26, and skinned wires of AWG 18 or 19. Dimensions shall be: 3-1/4" (8.26cm) wide x 10-3/8" (26.06cm) high x 2-3/4" (6.98cm) deep.

MODEL MK200471 BRACKET

Bracket shall be a plastic snap-on mount for the LB200470 block. It shall provide clearance for 25 or 50 pair cables to be brought underneath the connecting block and then fanned out. Dimensions shall be: 3-1/4" (8.25cm) wide x 10-3/8" (26.06cm) high x 1-7/8" (4.76cm) deep.

MODEL MK200471

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TECHNICAL SPECIFICATIONS

FLASHER UNIT

CCJ195

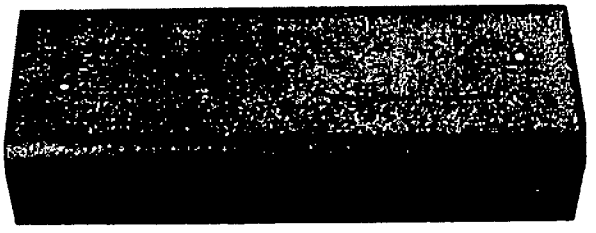
EPOXY GLASS PRINTED CIRCUIT BOARD

MINIATURE PLUG-IN HOOKUP TERMINAL BLOCK

REMOVABLE PROTECTIVE COVER

METAL BASE FOR EASY WALL MOUNTING

RUGGED METAL HOUSING



DESCRIPTION:
Flasher assembly provided in a surface mounted housing.

CIRCUITRY:
Solid state and epoxy glass printed circuit board.

OPERATING VOLTAGE:
24 volts DC. No AC outlet required.

OUTPUT RATING:
3 Amps at 24 volts DC.

HOOKUP:
Miniature plug-in terminal block with screw terminals and barriers.

HOUSING:
Metal base and removable protective metal cover.

FINISH:
Reverse Hammertone Metalustre.

DIMENSIONS:
3-3/8" (8.57cm) wide x 8-1/2" (21.59) high x 1-3/4" (4.45cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL CCJ195 FLASHER UNIT

The flasher unit shall consist of solid state circuitry and epoxy glass printed circuit board provided in a surface mounted housing The flasher shall operate on 24 volts DC and shall not require an AC outlet. The flasher output rating shall be 3 Amps at 24 volts DC.

Miniature plug-in hookup terminal block with screw terminals and barriers shall be provided for ease of installation and maintenance.

The flasher unit shall be provided with a removable protective metal cover. Two mounting holes shall be provided, one in each end of the metal base, for two #6 mounting screws.

The cover and base shall be finished in Reverse Hammertone Metalustre. Dimensions shall be: 3-3/8" (8.57cm) wide x 8-1/2" (21.59cm) high x 1-3/4" (4.45cm) deep.

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6/86 TS30530 Issue B

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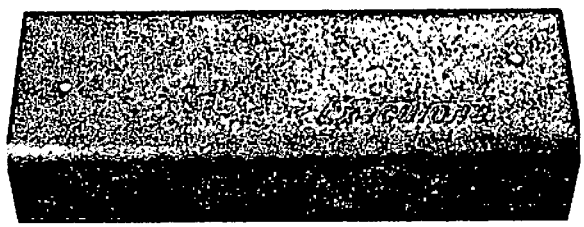
TECHNICAL SPECIFICATIONS

COUPLING DEVICE
MODEL J7347 AND
ZONE LIGHT CONTROL
MODEL CCJ126S/W42

COUPLING DEVICE J7347



DESCRIPTION:

Surface mounted Coupling Device for use in conjunction with Care/Com Nurse Control Stations to facilitate the following operations:

Team Operation - It permits the ability of handling two patient zones,wings or floors individually and to handle both locations from either Nurse Control Station at any time, and

Centralized Operation - It makes possible "Day/Night" operation by coordinating the operations of Nurse Control Stations on several floors with one Central Control Station attended in the evening and during the night.

REQUIREMENTS:

One Coupling Device is required for each Nurse Control Station in the system.

RELAYS:

Operating life of relays exceeds 5,000,000 cycles.

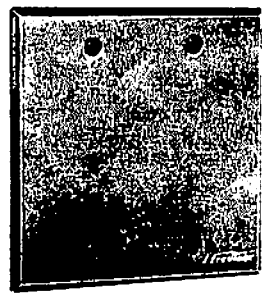
HOOKUP:

Miniature plug-in terminal blocks with screw terminals and barriers.

HOUSING, FINISH AND DIMENSIONS:

Metal base with removable metal cover housing finished in alumex. Dimensions are 8-1/2" (21.59 cm) wide x 3-3/8" (8.57 cm) high x 1-3/4" (4.45 cm) deep.

ZONE LIGHT CONTROL CCJ126S/W42



DESCRIPTION:

Surface or flush mounted Zone Light Control for use in conjunction with Care/Com Zone Double Dome Lamp in locations where the Nurse Control Station and specific Care-Lights are not visible to alert nursing personnel to calls placed by patients.Normal calls are indicated by steady illumination of a lamp. Emergency calls are indicated by flashing of additional colored lamp.

REQUIREMENTS:

One Zone Light Control and one Double Dome Lamp are required for each zone in the system.

CIRCUITRY:

Solid state and epoxy glass printed circuit board.

HOOKUP:

Miniature plug-in terminal block with screw terminals and barriers.

HOUSING:

Provided on a faceplate for mounting in a standard two-gang flush or surface backbox supplied separately.

FINISH AND DIMENSIONS:

Faceplate finished in alumex. Faceplate dimensions are 4-9/16" (11.59 cm) wide x 4-1/2" (11.43 cm) high.

CONTEL EXECUTONE
THE TOTAL HEALTH CARE COMMUNICATIONS COMPANY℠
5550 Triangle Parkway, Norcross, GA 30092

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL J7347 COUPLING DEVICE

The surface mounted Coupling Device shall be used in conjunction with Care/Com Nurse Control Stations to facilitate the following operations:

Team Operation - It shall permit the ability of handling two patient zones, wings or floors individually and to handle both locations from either Nurse Control Station at any time, and

Centralized Operation - It shall make possible "Day/Night" operation by coordinating the operations of Nurse Control Stations on several floors with one Central Control Station attended in the evening and during the night.

One Model J7347 shall be required for each Nurse Control Station in the system. For reliability, relays shall have an operating life exceeding 5,000,000 cycles. For ease of installation and maintenance, miniature plug-in hookup terminal blocks with screw terminals and barriers shall be provided.

The Coupling Device shall be provided with a removable protective metal cover. Two mounting holes shall be provided, one in each end of the metal base, for two #6 mounting screws. The cover and base shall be finished in alumex. The maximum dimensions shall be: 8-1/2" (21.59 cm) wide x 3-3/8" (8.57 cm) high x 1-3/4" (4.45 cm) deep.

MODEL CCJ126S/W42 ZONE LIGHT CONTROL

The surface or flush mounted Zone Light Control shall be used in conjunction with Care/Com Zone Double Dome Lamp in locations where the Nurse Control Station and specific Care-Lights are not visible to alert nursing personnel to calls placed by patients. Normal calls shall be indicated by steady illumination of a lamp. Emergency calls shall be indicated by flashing of additional colored lamp.

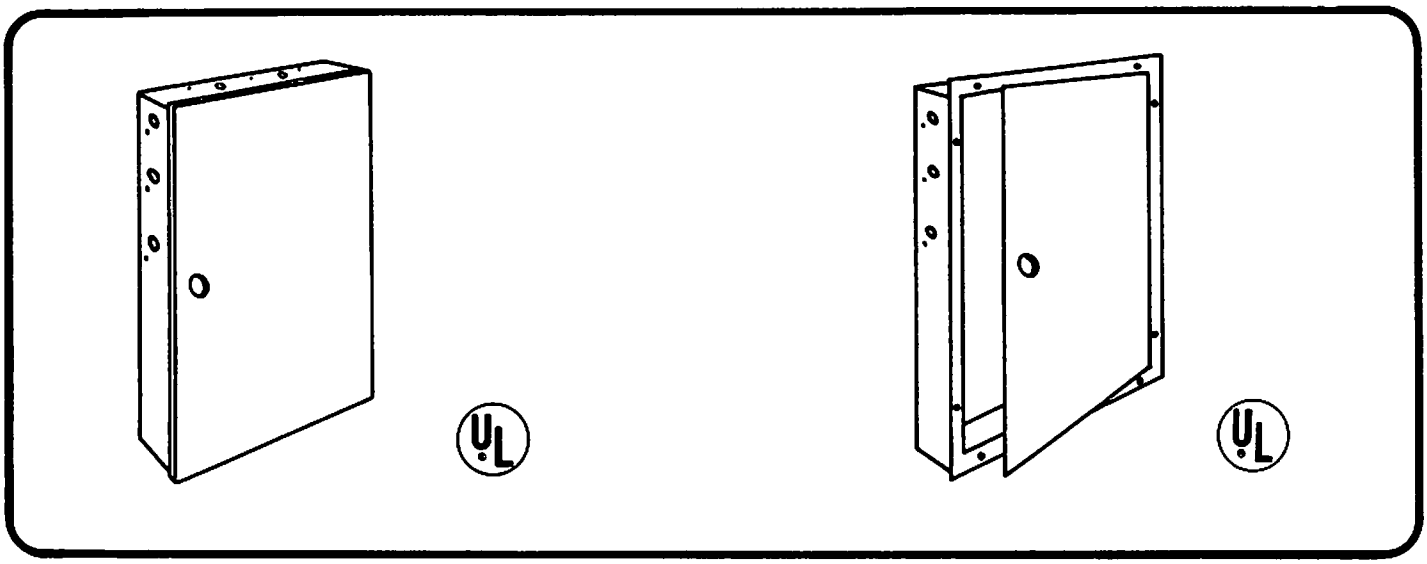
One Model CCJ126S/W42 Zone Light Control and one Double Dome Lamp shall be required for each zone in the system. For reliability, solid state circuitry and epoxy glass printed circuit board shall be used. For ease of installation and maintenance,miniature plug-in hookup terminal block with screw terminals and barriers shall be provided.

The Zone Light Control shall be provided on a faceplate for mounting in a standard two-gang flush or surface backbox supplied separately. The faceplate shall be finished in alumex. The maximum dimensions of the faceplate shall be: 4-9/16"(11.59 cm) wide x 4-1/2"(11.43 cm) high.

TECHNICAL SPECIFICATIONS

EQUIPMENT CABINETS

A8518S & A8518W



MODEL A8518S

MODEL A8518W

DESCRIPTION:
Model A8518S is a surface mounted equipment cabinet with hinged door. The door is provided with a flush catch and ring handle.

MOUNTING DETAILS:
Back of cabinet is provided with four mounting holes. The rear panel is supplied with four weldnuts for installation of equipment chassis.

CONDUIT KNOCKOUTS:
Top and Bottom: Two combination 1½" (3.8cm), 2" (5.08cm) and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts.
Sides: Three combination 1-½" (3.8cm), 2" (5.08cm) and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts.

HOUSING AND FINISH:
#14 gauge C.R.S. cabinet and door with zinc chromate finish.

DIMENSIONS:
Door: 18" (45.72cm) wide × 30" (76.2cm) high.
Cabinet: 18" (45.72cm) wide × 30" (76.2cm) high × 6" (15.24cm) deep.

DESCRIPTION:
Model A8518W is a flush mounted equipment cabinet with hinged door and surface flange. The door is provided with a flush catch and ring handle.

MOUNTING DETAILS:
Back of cabinet is provided with four mounting holes. The rear panel is supplied with four weldnuts for installation of equipment chassis.

CONDUIT KNOCKOUTS:
Top and Bottom: Two combination 1½" (3.8cm) 2" (5.08cm) and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts.
Sides: Three combination 1-½" (3.8cm), 2" (5.08cm) and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts.

HOUSING AND FINISH:
#14 gauge galvanized metal backbox, #14 gauge C.R.S. door and flange, zinc chromate finish.

DIMENSIONS:
Faceplate: 20" (50.80cm) wide × 32" (81.28m) high. (includes door and 2" (5.08cm) flange).
Backbox: 18" (45.72cm) wide × 30" (76.2cm) high × 6" (15.24cm) deep.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL A8518S EQUIPMENT CABINET

The A8518S surface mounted equipment cabinet shall be provided with a hinged door. A flush catch and ring handle shall beprovided on the door to prevent snagging. To facilitate ease of installation, four weldnuts shall be provided on the rear panel for installing equipment chassis. For complete flexibility of conduit entrance into cabinet, the following shall be provided: Top and bottom —Two combination 1-½" (3.8cm) and 2" (5.08cm) conduit knockouts and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts; Sides—three combination 1-½" (3.8cm) and 2" (5.08cm) conduit knockouts and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts. Four mounting holes shall be provided for attaching cabinet to wall. The cabinet housing shall be sturdily constructed of #14 gauge C.R.S. with a zinc chromate finish. The dimensions shall be: Door —18" (46.72cm) wide × 30" (76.2cm) high, cabinet —18" (45.72cm) wide × 30" (76.2cm) high × 6" (15.24cm) deep.

MODEL A8518W EUIPMENT CABINET

The A8518W surface mounted equipment cabinet shall be provided with a hinged cover. A flush catch and ring handle shall be provided on the cover to prevent snagging. To facilitate ease of installation, four weldnuts shall be provided on the rear panel for installing equipment chassis. For complete flexibility of conduit entrance into cabinet, the following shall be provided: Top and bottom —Two combination 1-½" (3.8cm) and 2" (5.08cm) conduit knockouts and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts; Sides—three combination 1-½" (3.8cm) and 2" (5.08cm) conduit knockouts and three combination ½" (1.3cm), ¾" (1.9cm) and 1" (2.54cm) conduit knockouts. Four mounting holes shall be provided for attaching cabinet to wall. The rust resistant backbox shall be sturdily constructed of #14 gauge galvanized metal. The door and flange shall be constructed of #14 gauge C.R.S. and shall have a zinc chromate finish. The dimensions shall be: Faceplate —(including door and 2" (5.08cm) flange)—20" (50.8cm) wide × 32" (81.28cm) high, backbox —18" (45.72cm) wide × (76.2cm) high × 6" (15.24cm) deep.

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TECHNICAL SPECIFICATIONS

CABLE

WCCS8

EASY TO STRIP

RODENT RESISTANT OUTER JACKET

FLEXIBLE

ABRASION RESISTANT

RESISTANT TO CRUSHING AND COLD FLOW

DESCRIPTION:
Cable containing eight conductors arranged in three groups protected by an outer jacket.

GAUGE AND TYPE:
Group 1—two insulated 22 gauge solid conductors twisted together with one 22 gauge bare drain wire and covered by metallized shielding tape.
Group 2—two insulated 22 gauge solid conductors twisted together.
Group 3—three insulated 18 gauge solid conductors twisted together.

INSULATION:
Wire Insulation—colored polyethylene with minimum thickness of 0.010" (0.254mm)
Outer Jacket—polyvinylchloride with minimum thickness of 0.025" (0.635mm)

SHIELDING:
Metallized tape (lamiglas type) overlapped for 100% shielding.

DC RESISTANCE:
22 Gauge—18 ohms maximum per 1,000 feet (304.8m) at 68° F (20°C).
18 Gauge—7 ohms maximum per 1,000 feet (304.8m) at 68° F (20°C).

UL LISTED:
Cable is UL listed per style 2582.

OUTSIDE DIAMETER:
Cable must pass freely through 0.350" (0.889cm) hole

CABLE FINISH:
Outer jacket color is Executone Standard Metalustre.

WIRE COLOR CODE:
Group 1—one orange, one violet and one bare drain wire;
Group 2—one blue and one brown;
Group 3—one red, one black, and one yellow.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

WCCS8 CABLE

The WCCS8 cable shall contain eight conductors arranged in three groups. Group one shall consist of one pair of individually insulated 22 gauge solid conductors twisted together with one 22 gague solid bare drain wire. Group one shall be covered with metallized type (lamiglas type) overlapped for 100% shielding. Group two shall consist of two individually insulated 22 gauge solid conductors twisted together. Group three shall consist of three individually insulated 18 gauge solid conductors twisted together.

The DC resistance of the 22 and 18 gauge conductors shall not be more than 18 and 7 ohms respectively per thousand feet (304.8m) of conductor at 68° F (20°C). The cable shall be UL listed per style 2582.

Wire insulation shall be colored polyethylene with minimum thickness of 0.010" (0.254mm). Cotton or other insulating materials, which deteriorates with age shall not be acceptable. Wire color code shall be: group one—one orange, one violet and one bare drain wire; group two—one blue and one brown; group three—one red, one black, and one yellow.

All conductors shall be covered and protected by an outer jacket of polyvinylchloride with minimum thickness of 0.025" (0.635mm). The cable shall bear the Executone trademark either embossed or printed on the cable and shall be finished in Executone Standard Metalustre. If other than Executone cable is to be supplied, contractor shall obtain architects' approval after submitting a certified copy of the test report on a sample coil of the cable from the lot to be supplied. The cable shall pass freely through 0.350" (0.889cm) hole.

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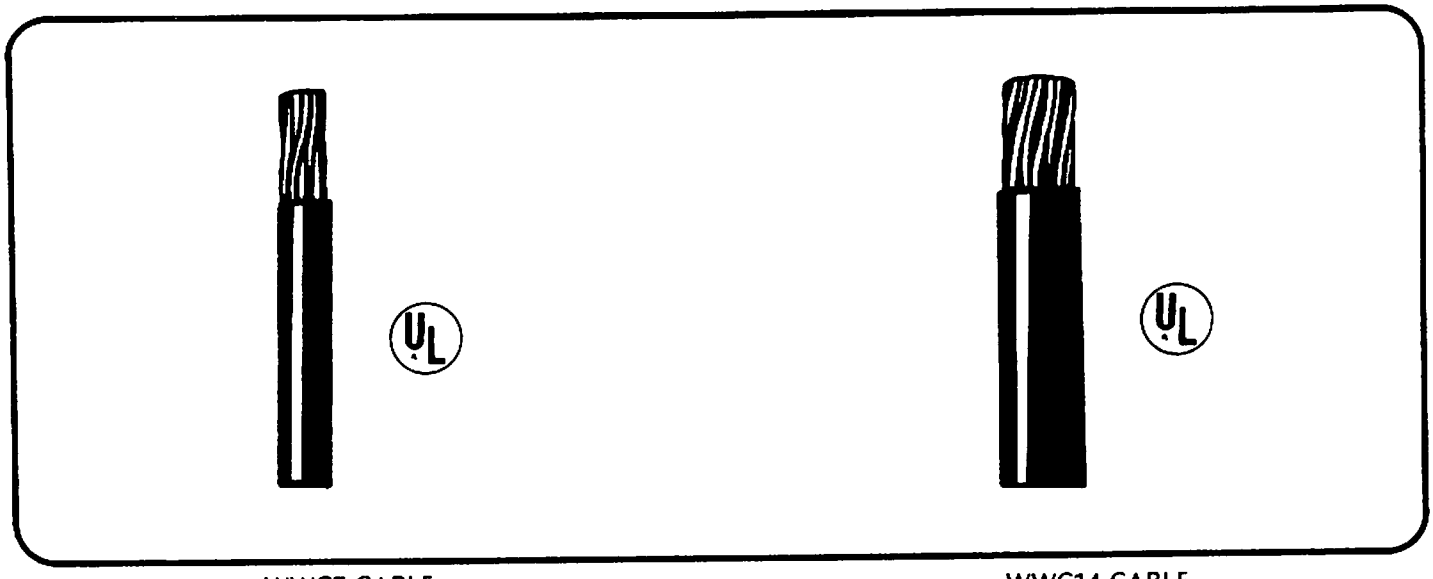
TECHNICAL SPECIFICATIONS

CABLE

WWC7 & WWC14



WWC7 CABLE

DESCRIPTION:
Inside telephone cable containing 7 twisted pairs (14 conductors total). Conductors polyethylene insulated and protected by heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
All conductors #22 gauge solid bare copper.

INSULATION:
Conductors — polyethylene, wall thickness 0.010" (0.254mm).
Outer Jacket — polyvinylchloride, wall thickness 0.028" (0.711mm).

RESISTANCE:
18 ohms maximum per 1,000' (304.8m) at 68°F (20°C).

OUTSIDE DIAMETER:
0.365", approximately 23/64" (9.279mm).

UNDERWRITERS' LABORATORIES, INC. LISTED:
Listed as Inter-office communication and signalling cable.

WIRE COLOR CODE:
7 Twisted Pairs
Blue-White
Orange-White
Green-White
Brown-White
Slate-White
Red-White
Blue-Red

CABLE FINISH:
Outer jacket color is Executone standard metalustre.

WWC14 CABLE

DESCRIPTION:
Inside telephone cable containing 14 twisted pairs (28 conductors total). Conductors polyethylene insulated and protected by heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
All conductors #22 gauge solid bare copper.

INSULATION:
Conductors — polyethylene, wall thickness 0.010" (0.254mm).
Outer Jacket — polyvinylchloride, wall thickness 0.035" (0.889mm).

RESISTANCE:
18 ohms maximum per 1,000' (304.8m) at 68°F (20°C).

OUTSIDE DIAMETER:
0.490", approximately 31/64" (12.496mm).

UNDERWRITERS' LABORATORIES, INC. LISTED:
Listed as Inter-office communication and signalling cable.

WIRE COLOR CODE:
14 Twisted Pairs

Blue-White	Orange-Red
Orange-White	Brown-Red
Green-White	Green-Red
Brown-White	Slate-Red
Slate-White	Blue-Black
Red-White	Orange-Black
Blue-Red	Green-Black

CABLE FINISH:
Outer jacket color is Executone standard metalustre.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

WWC7 CABLE

Inside telephone cable shall contain 7 twisted pairs. All conductors shall be #22 gauge solid bare copper and shall be individually insulated with polyethylene plastic. Cotton or other insulating material, which deteriorates with age, will not be acceptable. The direct current resistance of the #22 gauge conductors in the completed cable shall not be more than 18 ohms per 1,000' (304.8m) of conductor at 68°F (20°C). Conductors shall be covered and protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. If other than Executone cable is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the cable from the lot to be supplied. The outside diameter of the cable shall be 0.365" (9.271mm). The cable shall be Underwriters' Laboratories Inc., listed as inter-office communication and signalling cable.

WWC14 CABLE

Inside telephone cable shall contain 14 twisted pairs. All conductors shall be #22 gauge solid bare copper and shall be individually insulated with polyethylene plastic. Cotton or other insulating material, which deteriorates with age, will not be acceptable. The direct current resistance of the #22 gauge conductors in the completed cable shall not be more than 18 ohms per 1,000' (304.8m) of conductor at 68°F (20°C). Conductors shall be covered and protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. If other than Executone cable is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the cable from the lot to be supplied. The outside diameter of the cable shall be 0.490" (12.496mm). The cable shall be Underwriters' Laboratories Inc., listed as inter-office communication and signalling cable.

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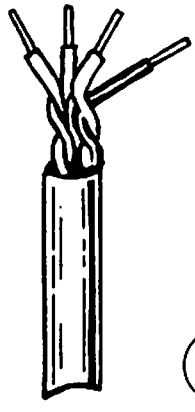
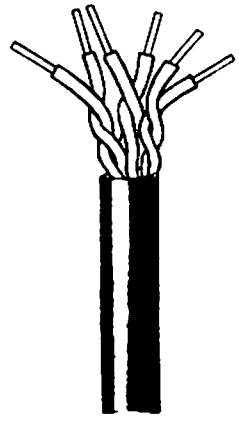
TECHNICAL SPECIFICATIONS

CABLE

WWC2 & WWC3





WWC2 CABLE

DESCRIPTION:
Inter-office communication and signalling cable containing 2 twisted pairs (4 conductors total). Conductors are polyvinylchloride insulated and protected by a heavy overall polyvinylchloride jacket.

GAUGE, TYPE AND RESISTANCE:
All conductors #22 gauge solid, tinned copper with resistance of 18 ohms maximum per 1,000 feet (304.8m) at 68°F (20°C).

INSULATION:
Conductors: Polyvinylchloride wall thickness 0.012" (0.305mm). **Outer Jacket:** Polyvinylchloride, finished in Executone Standard Metalustre, wall thickness 0.035" (0.889mm). Separated from core by a single mylar tape.

OUTSIDE DIAMETER:
0.250" (approximately ¼" [6.35mm]).

UNDERWRITERS' LABORATORIES LISTED:
Listed as Inter-office communication and signalling cable. Underwriters' Laboratories Inc. compliance is indicated by an appropriate marker thread inside the cable.

COLOR CODE:
2 Twisted Pairs:
Black-Green
White-Red

WWC3 CABLE

DESCRIPTION:
Inter-office communications and signalling cable containing 3 twisted pairs (6 conductors total). Conductors are polyvinylchloride insulated and protected by a heavy overall polyvinylchloride jacket.

GAUGE, TYPE AND RESISTANCE:
All conductors #22 gauge solid bare copper with resistance of 18 ohms maximum per 1,000 feet (304.8m) at 68°F (20°C).

INSULATION:
Conductors: Polyvinylchloride, wall thickness 0.012" (0.305mm). Outer Jackets: Polyvinychloride, finished in Executone Standard Metalustre, wall thickness 0.030" (0.762mm).

OUTSIDE DIAMETER:
0.320" (approximately 5/16" [8.13mm]).

UNDERWRITER'S LABORATORIES LISTED:
Listed as Inter-office communication and signalling cable.

COLOR CODE:
3 Twisted Pairs:
Blue-White
Orange-White
Green-White

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

WWC2 CABLE

Inter-office communication and signalling cable shall contain 2 twisted pairs. All conductors shall be #22 gauge solid, tined copper and shall be individually insulated with polyvinylchloride. Cotton or other insulating material, which deteriorates with age, will not be acceptable. The direct current resistance of the #22 gauge condutors in the completed cable shall not be more than 18 ohms per thousand feet (304.8m) of conductor at 68 degrees F (20°C).

Conductors shall be protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The average wall thickness of the jacket shall be 0.035" (0.889mm). A single mylar tape shall separate the jacket from the core. The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. The outside diameter of the cable shall be 0.250" (6.35mm).

The cable shall be Underwriters' Laboratories Inc. listed as inter-office communication and signalling cable. Underwriter's Laboratories Inc. compliance shall be indicated by an appropriate marker thread inside the cable.

WWC3 CABLE

Inter-office communication and signalling cable shall obtain 3 twisted pairs. All conductors shall be #22 gauge solid bare copper and shall be individually insulated with polyvinylchloride. Cotton or other insulating material, which deteriorates with age, will not be acceptable. The direct current resistance of the #22 gague conductors in the completed cable shall not be more than 18 ohms per thousand feet (304.8m) of conductor at 68 degrees F (20°C.)

Conductors shall be protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The average wall thickness of the jacket shall be 0.030". (0.762mm). The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. The outside diameter of the cable shall be 0.320" (8.13mm). The cable shall be Underwriters' Laboratories Inc. listed as inter-office communication and signalling cable.

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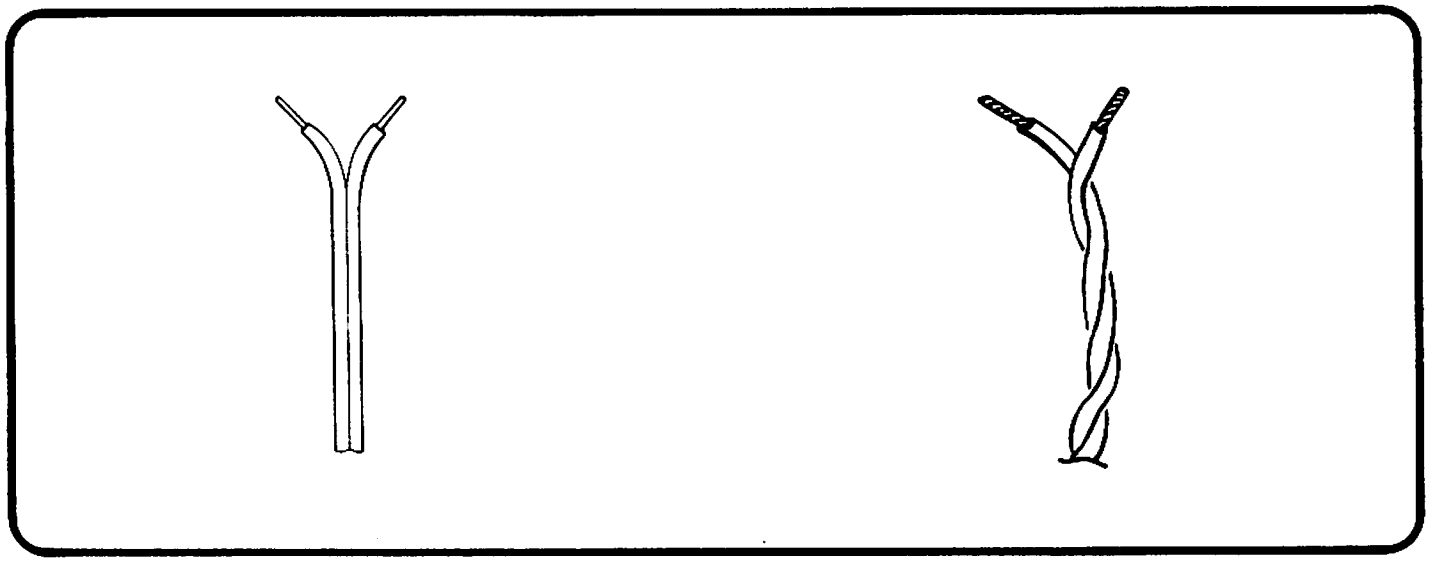
TECHNICAL SPECIFICATIONS

WIRE

WS2 & WT2HD



WS2 WIRE

DESCRIPTION:
Wire containing 2 parallel laid conductors. Conductors individually polyvinylchloride insulated.

GAUGE AND TYPE:
Both conductors #22 gauge solid.

INSULATION:
Both conductors polyvinylchloride insulated finished in Executone Standard Metalustre, thickness 0.016" (0.906mm).

RESISTANCE:
18 ohms maximum per 1000 feet (304.8m) at 68° F (20°C).

OUTSIDE DIMENSIONS:
0.064" (1.626mm) X 0.123" (3.124mm) (approximately 1/16" X 1/8").

COLOR CODE:
1 conductor bare copper; 1 conductor tinned copper.

WT2HD WIRE

DESCRIPTION:
Wire containing one twisted pair (2 conductors total). Conductors are polyvinylchloride insulated.

GAUGE AND TYPE:
All conductors #16 gauge. One conductor stranded, bare copper and one conductor stranded, tinned copper.

INSULATION:
Polyvinylchloride, wall thickness 0.03125" (0.794mm).

RESISTANCE:
5 ohms maximum per 1,000 feet (304.8m) at 68° F (20°C).

FINISH:
Executone Standard Metalustre.

COLOR CODE:
1 **Twisted Pair:** Copper-Tinned

WS2 WIRE

WS2 wire shall contain 2 parallel laid conductors. Both conductors shall be #22 gauge solid. Both conductors shall be individually insulated with polyvinylchloride plastic finished in Executone Standard Metalustre. Conductor insulation shall be maintained when conductors are separated. The wire shall bear the EXECUTONE trademark either embossed or printed on the wire. If other than Executone wire is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the wire from the lot to be supplied. The direct current resistance of the #22 gauge conductors shall not be more than 18 ohms per 1000 feet of conductor at 68° F (20°C). The outside dimensions of the wire shall be 0.064" (1.626mm) X 0.123" (3.124mm).

WT2HD WIRE

Wire shall contain 2 twisted conductors. Conductors shall be #16 gauge. One conductor shall be stranded, bare copper and one conductor shall be stranded, tinned copper. Each conductor shall be individually insulated with polyvinylchloride finished in Executone Standard Metalustre. Cotton or other insulating material, which deteriorates with age, will not be acceptable. The direct current resistance of the #16 gauge conductors shall not be more than 5 ohms per thousand feet of conductor at 68 degrees F (20°C). The wire shall bear the EXECUTONE trademark either embossed or printed on the wire.

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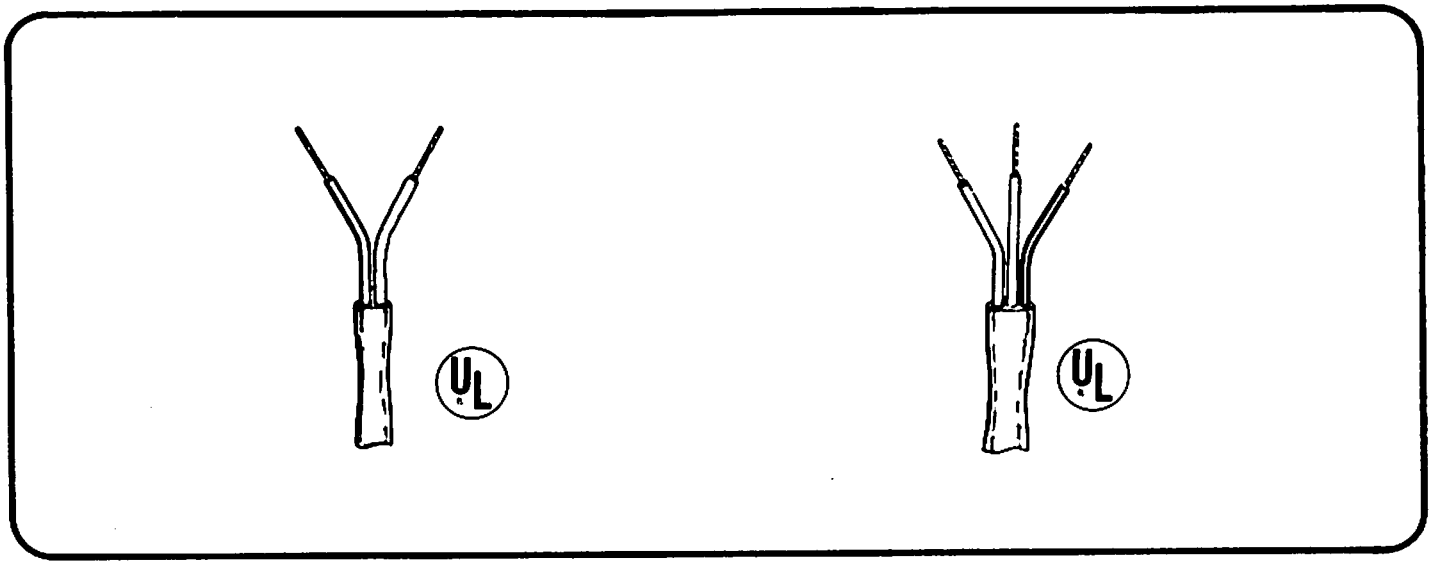
TECHNICAL SPECIFICATIONS

WIRE

WT2V & WT3V



WT2V WIRE

DESCRIPTION:
Wire containing 2 twisted conductors. Conductors polyethylene insulated and protected by a heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
Both conductors #20 gauge, stranded.

INSULATION:
Conductors — polyethylene, wall thickness 0.010". (0.254mm).
Outer Jacket — polyvinylchloride wall thickness 0.015". (0.381mm).

OUTER JACKET FINISH:
Executone Standard Metalustre.

WIRE COLOR CODE:
1 red conductor; 1 black conductor.

OUTSIDE DIAMETER:
0.203", approximately 13/64" (5.159mm).

UNDERWRITERS' LAB., INC. LISTED:
Listed as Inter-office communication and signalling cable.

WT3V WIRE

DESCRIPTION:
Wire containing 3 twisted conductors. Conductors polyethylene insulated and protected by a heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
All conductors #20 gauge stranded.

INSULATION:
Conductors — polyethylene, wall thickness 0.010". (0.254mm).
Outer Jacket — polyvinylchloride, wall thickness 0.015" (0.396mm).

OUTER JACKET FINISH:
Executone Standard Metalustre.

WIRE COLOR CODE:
1 red conductor; 1 black conductor;
1 white conductor.

OUTSIDE DIAMETER:
0.219", approximately 7/32" (5.556mm).

UNDERWRITERS' LAB., INC. LISTED:
Listed as Inter-office communication and signalling cable.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

WT2V WIRE

WT2V wire shall contain 2 twisted conductors. Both conductors shall be #20 gauge stranded, and shall be insulated with polyethylene plastic. Cotton or other insulating material, which deteriorates with age, shall not be acceptable. Both conductors shall be covered and protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The wire shall bear the EXECUTONE trademark either embossed or printed on the wire. If other than Executone wire is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on the sample coil of the wire from the lot to be supplied. The outside diameter of the wire shall be 0.203" (5.159mm). The cable shall be Underwriters' Laboratories Inc. listed as inter-office communication and signalling cable.

WT3V WIRE

WT3V wire shall contain 3 twisted conductors. All conductors shall be #20 gauge stranded and shall be insulated with polyethylene plastic. Cotton or other insulating material, which deteriorates with age, shall not be acceptable. All conductors shall be covered and protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The wire shall bear the EXECUTONE trademark either embossed or printed on the wire. If other then Executone wire is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the wire from the lot to be supplied. The outside diameter of the wire shall be 0.219" (5.556mm). The cable shall be Underwriters' Laboratories Inc. listed as inter-office communication and signalling cable.

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TECHNICAL SPECIFICATIONS

CABLE

W14VS

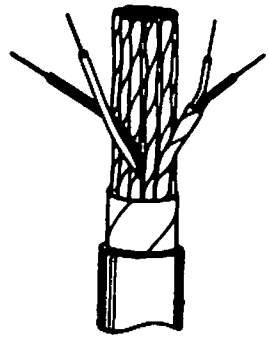
EASY TO STRIP

RODENT RESISTANT OUTER JACKET

FLEXIBLE

ABRASION RESISTANT

RESISTANT TO CRUSHING AND COLD FLOW



DESCRIPTION:
Cable containing 13 twisted, shielded pairs, and 1 twisted pair. Conductors, polyethylene insulated and protected by heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
1 pair #16 gauge solid, twisted; 13 pairs #22 gauge solid, twisted shielded. 1 bare #22 gauge drain wire.

INSULATION:
16 Gauge — polyethylene, wall thickness 0.015" (0.381mm).

22 Gauge — polyethylene, wall thickness 0.011" (0.279mm).

Outer Jacket—polyvinylchloride, wall thickness 0.40" (10.16mm).

SHIELDING:
Metallized tape (lamiglas type) overlapped for 100% shielding.

CROSSTALK FACTOR:
—120 db or better between shielded pairs.

RESISTANCE:
16 Gauge—7 ohms maximum per 1,000 feet (304.8m) at 68°F (20°C).

22 Gauge—18 ohms maximum per 1,000 feet (304.8m) at 68°F (20°C).

VOLTAGE TEST:
500 volts r.m.s. 60 Hz test for not less than ¼ second after immersion in water for 24 hours.

CAPACITANCE:
0.030 mfd. per 1,000 feet (304.8m) at 1,000 Hz.

CABLE FINISH:
Executone Standard Metalustre.

WIRE COLOR CODE:
1 Pair 16 Gauge Twisted Only:
Red-Black

13 Pairs 22 Gauge Twisted, Shielded:
Orange-White
Green-White
Brown-White
Slate-White
Red-White
Blue-Red
Orange-Red
Green-Red
Brown-Red
Slate-Red
Blue-Black
Orange-Black
Green-Black

OUTSIDE DIAMETER:
0.550", approximately 15/64" (13.97mm).

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

W14VS CABLE

W14VS cable shall contain 13 twisted, shielded pairs, 1 #22 gauge drain wire, and 1 twisted pair. The 13 pairs shall be #22 gauge solid; the single pair shall be #16 gauge solid. All conductors shall be individually insulated with polyethylene plastic. Cotton or other insulating materials which deteriorate with age, shall not be acceptable. Each shielded pair shall be covered with metallized tape (lamiglas type) overlapped for 100% shielding.

All conductors shall be covered and protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre The cable shall be certified to have a crosstalk factor of −120 db or better (500 foot coil) The direct current resistance of the #22 gauge conductors shall not be more than 18 ohms per thousand feet (304 8m) of conductor at 68°F (20°C). The direct current resistance of the #16 gauge conductors shall be not more than 7 ohms per thousand feet (304.8m) of conductor at 68°F (20°C). The mutual capacitance shall not be more than 0.030 microfarad per thousand feet (304.8m) when measured at a frequency of approximately 1,000 Hz.

An alternating voltage of 500 volts r m.s. at a frequency of 60 Hz shall be applied between each conductor and the other conductors and shielding tapes connected together for a period of not less than one-quarter (¼) of a second without causing rupture of the insulation and shield. It shall be possible for a coil of finished cable ten (10) feet (3.048m) long to satisfy the voltage test after immersion in water at room temperature for a period of 24 hours. The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. If other than Executone cable is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the cable from the lot to be supplied. The outside diameter of the cable shall be 0.550" (13.97mm).

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TECHNICAL SPECIFICATIONS

CABLE

W25P

EASY TO STRIP

RODENT RESISTANT OUTER JACKET

FLEXIBLE

ABRASION RESISTANT

RESISTANT TO CRUSHING AND COLD FLOW

DESCRIPTION:
Inter-office communication and signalling cable containing 25 twisted pairs (50 conductors total). Conductors are polyethylene insulated and protected by a heavy overall polyvinylchloride jacket.

GAUGE AND TYPE:
All conductors #24 gauge solid bare copper.

INSULATION:
Conductors—Polyethylene, wall thickness 0.008" (0.203mm)
Outer Jacket—Polyvinylchloride, wall thickness 0.035" (0.889mm)

RESISTANCE:
26.2 ohms per 1,000' (304.8m) at 68°F (20°C)

DIELECTRIC STRENGTH TEST:
500 volts, AC, for 1 minute, between each conductor and all other conductors connected together.

OUTSIDE DIAMETER:
Maximum 0.435", approximately 7/16" (0.55mm).

WIRE CABLE FINISH:
Executone Standard Metalustre.
COLOR CODE:
25 Twisted Pairs:
White/Blue - Blue/White
White/Orange - Orange/White
White/Green - Green/White
White/Brown - Brown/White
White/Slate - Slate/White
Red/Blue - Blue/Red
Red/Orange - Orange/Red
Red/Green - Green/Red
Red/Brown - Brown/Red
Red/Slate - Slate/Red
Black/Blue - Blue/Black
Black/Orange - Orange/Black
Black/Green - Green/Black
Black/Brown - Brown/Black
Black/Slate - Slate/Black
Yellow/Blue - Blue/Yellow
Yellow/Orange - Orange/Yellow
Yellow/Green - Green/Yellow
Yellow/Brown - Brown/Yellow
Yellow/Slate - Slate/Yellow
Violet/Blue - Blue/Violet
Violet/Orange - Orange/Violet
Violet/Green - Green/Violet
Violet/Brown - Brown/Violet
Violet/Slate - Slate/Violet

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL W25P CABLE

Inter-office communication and signalling cable shall contain 25 twisted pairs All conductors shall be #24 gauge solid bare copper and shall be individually insulated with polyethylene plastic. Cotton or other insulating material, which deteriorates with age, shall not be acceptable. The direct current resistance of the #24 gauge conductors in the completed cable shall not be more than 26.2 ohms per thousand feet (304.8m) of conductor at 68°F (20°C).

The cable shall satisfy a Dielectric Strength Test of 500 Volts, AC, for 1 minute, between each conductor and all the other conductors connected together. If other than Executone cable is to be supplied, contractor shall obtain architect's approval after submitting a certified copy of the test report on a sample coil of the cable from the lot to be supplied.

Conductors shall be protected by a thick outer jacket of polyvinylchloride finished in Executone Standard Metalustre. The average wall thickness of the jacket shall be 0.035" (0.889m). The cable shall bear the EXECUTONE trademark either embossed or printed on the cable. The outside diameter of the cable shall be 0.008" (0.203mm) maximum.

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